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Revised Price List of Garden Seeds for May 1, 1903.

LEASE NOTICE that any or all seeds mentioned below are sold in five cent packages, postpaid, by mail. For ten papers ordered at one time, 40 cents; 100 papers, \$3.50. Of course, scarce and high priced seed will necessitate making a very small amount of seed in a package; but by far the greater part of them contain a full half ounce of good fresh seeds. By comparing these packages with those you get of most of the seedsmen you will notice the liberal amounts we furnish for only 5 cts. It is true, we do not give presents or cash prizes; but we believe the most intelligent people of the present day would prefer to have their money's worth of what they ordered rather than compete for a prize. The five-cent packages are sent postpaid; but the price of all other seeds does not include postage; therefore, when you order seed by the onnee or pound, allow postage thus: 9 cts. per lb.; 5 cts. per ½ lb., or lct. per oz. Peas and beans by the pint and quart must also have 8 cts. per pint or 15 cts. per quart; for corn, add 12 cts. per quart for postage. Postage to Canada is double the above rates. One-fourth ounce, pound, or peck will be sold at ounce, pound, or peck rates unless otherwise-specified. specified. CORN SALAD.

ASPARAGUS.

Asparagus, Palmetto. Oz. 5c; 1b, 40c. BUSH BEANS.

Burpee's Bush Lima. Pt. 15c: qt. 30c; ½ pk. \$1.00; Wood's Improved Bush Lima. Pt. 20c; qt. 35c; pk. \$2.00. An improvement on Henderson's, and larger. Davis Wax Bean. Pt., 15c; qt., 25c; 4 qts., \$1.00; pk. \$1.90; bushel, \$7.50. Dwarf German Wax, black seeded. ½ pt. \$c; pt., \$1.6c; qt. 25c; pk., \$1.75. Perhaps the best wax bean, and very early.

Prize-winner Extra Early Shell Bean. ½ pt. 8c; pt.

Prize-winner Extra Early Shell Bean. ½ pt. 8c; pt. 12c; qt. 20c; ½ pk. 65c; peck. \$1.25. This is not only the earliest shell bean we have ever come across, but it is a tremendous yielder, and the best quality of any white bean we know of It is so ex eedingly early that in the season of 1990 we grew two crops on the same ground and the second crop was from beans that ripened from the first

White Kidney, Large, Pt. 8c; gt. 15c; pk. \$1.00; bu.,

York State Marrow. The standard field bean. Qt. 15c; pk. \$1.00; bushel, \$3.50.

Banner Field Beans. Qt. 15c; pk. \$1.00, bushel, \$3.50.

POLE BEANS.

Extra-Early Lima Beans, ½ pt. 8c; qt. 25c; pk. \$1.75. King of the Garden Lima. ½ pt. 8c; qt. 25c; pk. \$1.75. All of our beans will be furnished in 5-cent packages; but where they are to go by mail, postpaid, of course the above packages will have to be quite small. If wanted by mail, add 8c per pt. ôr 15c per qt. for postage.

Eclipse. Oz. 5c; lb. 40c; 5 lbs. \$1.75.

Long Red Mangel Oz. 5c; lb. 20c; 5 lbs. 90c; 10 lbs. \$1.60; 20 lbs. or more, 15c per lb.

Golden 7 10 lbs. \$1.00;

STANDARD SUGAR BEETS.

Lane's Imperial Sugar. Oz. 5c; 1b. 20c; 5 lbs. 75c; 10 lbs. or more, l4c per lb.

French White Sugar Red-top. Same price as Lane. CABBAGE.

CABBAUE.

Select, Very Early Jersey Wakefield, Oz.,20c; 1b.,\$2.50.

Henderson's Early Summer. Oz., 10c; 1b., \$1.25.

Pottler's Brunswick. Oz. 10c; 1b. \$1.25.

Burpee's Sure-head. Oz., 10c; 1b., \$1.25.

Excelsior Flat Dutch. Oz., 10c; 1b. \$1.25.

Perfection Drumhead Savoy. Oz., 10c; 1b. \$1.25.

Large Red Drumhead. Oz., 10c; 1b., \$1.25.

CARROTS.

Barly French Forcing. Oz. 5c; 1b. 60c, Orange Danvers, Half Long. Oz. 5c; 1b. 50c; 5 lbs. \$2.20.

CAULIFLOWER.

March's improved Early Snowball. (Mattituck Erfurt.) 1/8 oz. 30c; 1/4 oz. 50c; oz. \$1.75.

CELERY.

Henderson's White Plume. Oz. 10c; 1b. \$1.00. dolden Self-blanching Celery. Oz. 15c; 1b. \$1.75. New Rose. Oz. 10c; 1b. 75c. Giant Paschal. Oz. 10c; 1b. 75c. Dwarf Golden Heart. Oz. 10c; 1b. \$1.00.

CORN (for table use).

Corn we sell at 5c per half-pint package; but at this price purchasers must pay postage, which is 3c for each half-pint. If wanted in larger quantities the price (where no price is given) will be, pl, qc; ql. 15c; pk. \$1.00 bu. \$3.75.

Kendel's Early Glant Sweet Corn. Ford's Early Sweet. Late Mammoth Sugar. Stowell's Evergreen

Country Gentleman, or Improved Shoepeg. Rice Pop Corn. Extra fine.

Sweet Corn for fodder. Pk. 40c; bu. \$1.50.

Oz 5c: 1h 40c

CRESS.

Extra Curled, or Pepper Grass. Oz. 5c; lb. 40c. Water Cress, true. Oz. 25; lb. \$2.50.

CUCUMBER.

Early Frame. Oz. 15c; 1b. \$1.25. Improved Early White Spine, or Arlington. Oz. 15c; 1b. \$1.25.

Green Prolific, or Boston Pickle. Oz. 15c; 1b. \$1 25. LETTUCE.

Grand Rapids Lettuce. Oz. 5c; 1b. 50c; 5 lbs. \$2.00. Big Boston. Oz. 5c; 1b. 50c. Henderson's New York. Oz. 5c; 1b. 50c.

MELONS, MUSK.

Casaba, or Persian Muskmelon. Oz. 8c; lb. 75c. Casaba, or Persian Muskmeton. Oz. 8c; 1b. 75c.
Banana. Oz. 8c; 1b. 75c.
Extra Early Citron. Oz. 8c; 1b. 75c.
Emerald Gem. Oz. 8c; 1b. 75c.
Miller's Cream, or Osage. Oz. 8c; 1b. 75c.
Paul Rose Muskmeton. Oz. 8c; 1 lb., \$1.00. New; fine.
Rocky Ford Canteloupe Muskmeton. The same that

so many people enjoyed at the Omaha exposition. oz. 10c; 1 lb. \$1 00.

MELONS, WATER.

Phinney's Early, Oz. 5c; 1b, 40c. Landreth's Boss. Oz. 5c; 1b, 40c. Sweetheart. Oz. 5c; 1b, 40c.

ONIONS.

A leastet on "Growing Onions to Bunch up" will be mailed on application.

Yellow Globe Danvers. Oz. 8c; 1b. 75c; 5 1bs. \$3.25.

Large Red Wethersfield. Oz. 8c; 1b. 75c; 5 1bs. \$3.25.

Prizetaker. Oz. 15c; 1b. \$1.25.

American (Extra Early) Pearl. Oz. 25c; ½ 1b. \$1.65;

Extra Early Red. Oz. 8c; ¼ 1b. 30c; ib. \$1.00.

Bermuda (true Teneriffe) Oz. 25c; ib. \$2.00.

Giant Gibraltar Onion. Oz. 25c; ib. \$8.50; new and Giant Gibraltar Onion. Oz. 25c; 1 fine; still larger than Prizetaker.

PARSNIP.

Improved Guernsey. Oz. 5c; 1b, 25c; 10 1bs. \$2,00. PARSLEY.

Pine Curled or Double. Oz. 5c; 1b. 35c.

PEAS.

Peas of all kinds are very scarce. If you think our priceshigh, look over your seed catalogs and see what some of the rest are charging for them.

Alaska, ½ pt. 7c; qt. 20c; pk. \$1.35; bu. \$5.00.

Notts Excelsior. Qt. 25c; pk. \$1.90; bu. \$7.50.

Premium Gem. Qt., 25c; pk. \$1.60; bu. \$6.00.

Stratagem. ½ pt. 8c; qt. 20c; pk. \$1.25; bu. \$4.50.

Champion of England. Pt. 10c; qt. 20c; pk. \$1.25; bu.

Canadian Field. Pk. 50c; bu. \$1.75. Peas by mail will be at same rate as beans for postage.

PEPPERS.

Sweet Spanish. ¼ oz. 5c; oz. 15c. Bullnose. ¼ oz. 5c; oz. 12c. Cayenne. ¼ oz. 5c; oz. 15c.

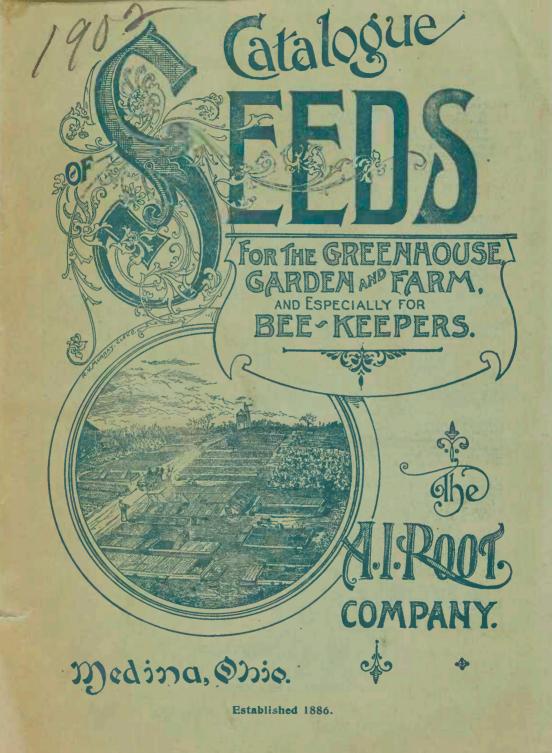
PUMPKIN

Early Sugar. Oz. 5c; 1b. 35c. Specially for pies Field Pumpkin. Oz. 5c: 1b. 15c.

RADISHES.

Barly Scarlet Globe. Oz. 5c; lb. 40c. Wood's Early Frame. Oz. 5c; lb. 40c. Beckert's Chartier. Oz. 5c; lb. 40c. Chinese Rose Winter. Oz. 5c; lb. 50c.

RHUBARB. Myatt's Victoria. Oz. 10c; 1b. \$1.00.



Revised Price List of Garden Seeds for 1902.

LEASE NOTICE that any or all seeds mentioned below are sold in five-cent packages, postpaid, by mail For ten papers ordered at one time, 40 cents; 100 papers, \$3.50. Of course, scarce and high priced seed will necessitate making a very small amount of seed in a package; but by far the greater part of them contain a full half ounce of good fresh seeds. By comparing these packages with those you get of most of the seedsmen you will notice the liberal amounts we furnish for only 5 cts. It is true, we do not give presents or cash prizes; but we believe the most intelligent people of the present day would prefer to have their money's worth of what they ordered rather than compete for a prize. The five-cent packages are sent postpaid; but the price of all other seeds does not include postage; therefore, when you order seed by the ounce or pound, allow postage thus: 9 cts. per 1b.; 5 cts. per ½ lb., or 1 ct. per oz. Peas and beans by the pint and quart must also have 8 cts. per pint or 15 cts. per quart; for corn, add 12 cts. per quart for postage. Postage to Canada is double the above rates. One-fourth ounce, pound, or peck will be sold at ounce, pound, or peck rates unless otherwise specified. specified.

ASPARAGUS.

Asparagus, Palmetto. Oz. 5c; 1b, 40c.

BUSH BEANS.

Burpee's Bush Lima. Pt. 15c; qt. 30c; ½ pk. \$1.00; Henderson's Bush Lima. Pt. 8c; qt. 15c; pk. \$1.00; bushel, \$3.50. Wood's Improved Bush Lima. Pt. 20c; qt. 35c; pk.

bushel, \$3.50.

Wood's Improved Bush Lima. Pt. 20c; qt. 35c; pk. \$2.00. An improvemedt on Henderson's, and larger. Davis Wax Bean. Pt., 8c; qt., 15c; 4 qts., 55c; pk. \$1.00; bushel, \$3.75.

Dwarf German Wax, black seeded. ½ pt. 8c; pt. 12c; qt. 20c. Perhaps the best wax bean, and very early. Prize-winner Extra Early Shell Bean. ½ pt. 8c; pt. 12c; qt. 20c; ½ pk. 65c; peck, \$1.25.

This is not only the earliest shell bean we have ever come across, but it is a tremendous yielder, and the best quality of any white bean we know of 16 is so exceedingly early that in the season of 1900 we grew two crops on the same ground and the second crop was from beans that ripened from the first crop.

White Kidney, Large. Pt. 8c; qt. 15c; pk. \$1.00; bu.,

York State Marrow. The standard field bean. Qt. 10c; pk. 75c; bushel, \$2.75.

Banner Field Beans. Qt. 10c; pk. 70c; bushel, \$2.75.

POLE BEANS.

Extra-Early Lima Beans, ½ pt. 8c; qt. 25c; pk. \$1.75. King of the Garden Lima. ½ pt. 8c; qt. 25c; pk. \$1.75. All of our beans will be furnished in 5-cent packages; but where they are to go by mail, bostpaid, of course the above packages will have to be quite small. If wanted by mail, add 8c per pt. or 15c per qt. for postage.

BEETS.

Eclipse. Oz. 5c; lb. 80c; 5 lbs. \$1.25. Long Red Mangel Oz. 5c; lb. 20c; 5 lbs. 90c; 10 lbs. \$1.60; 20 lbs. or more, 15c per lb. Golden Tankard Flangel. Oz. 5c; lb. 20c; 5 lbs. 90c; 10 lbs. \$1.60; 20 lbs. or over, 15c per lb.

STANDARD SUGAR BEETS.

Lane's Imperial Sugar. Oz. 5c; 1b. 20c; 5 lbs. 75c; 10

lbs. or more, 12c per lb.

French White Sugar Red-top. Same price as Lane.

CABBAGE. Select, Very Early Jersey Wakefield. Oz. 20c; 1b.

\$2.50.
Henderson's Early Summer. Oz. 10c; 1b. \$1.25.
Pottler's Brunswick. Oz. 10c; 1b. \$1.25.
Burpee's Sure-head. Oz. 10c; 1b. \$1.25.
Excelsior Flat Dutch. Oz. 10c; 1b. \$1.25.
Perfection Drumhead Savoy. Oz. 10c; 1b. \$1.25.
Large Red Drumhead. Oz. 10c; 1b. \$1.25.

CARROTS.

Early French Forcing. Oz. 5c; 1b. 40c. Orange Danvers, Half Long. Oz. 5c; 1b. 35c; 5 lbs. \$1.50.

CAULIFLOWER.

March's Improved Early Snowball. (Mattituck Erfurt.) 1/2 oz. 30c; 1/4 oz. 50c; oz. \$1.75.

CELERY.

Henderson's White Plume. Oz. 10c; 1b. \$1.00. Golden Self-blanching Celery. Oz. 15c; 1b. \$1.75. New Rose. Oz. 10c; 1b. 75c. Giant Paschal. Oz. 10c; 1b. 75c. Dwarf Golden Heart. Oz. 10c; 1b. \$1.00.

CORN (for table use).

Corn we sell at 5c per half-pint package; but at this price purchasers must pay postage, which is 3c for each half-pint. If wanted in larger quantities the price (where no price is given) will be, pt. 7c; qt. 10c; pk. 6gc; bu. \$2.25.

Kendel's Early Giant Sweet Corn. Pord's Early Sweet. Late Mammeth Sugar. Stowell's Evergreen.

Country Gentleman, or Improved Shoepeg. Rice Pop Corn. Extra fine. Sweet Corn for fodder. Pk. 40c; bu. \$1.50. CORN SALAD.

Oz. 5c: 1b. 40c.

CRESS.

Extra Curied, or Pepper Grass. O: Water Cress, true. Oz. 25; 1b. \$2.50. Oz. 5c; 1b. 40c.

CUCUMBER.

Barly Frame. Oz. 5c; 1b. 35c.
Improved Early White Spine, or Arlington. Oz. 5c;

Green Prolific, or Boston Pickle. Oz. 5c; 1b. 35c.

LETTUCE.

Grand Rapids Lettuce. Oz. 5c; 1b. 50c; 5 lbs. \$2,00. Big Boston (White-seeded Tennis-ball). Oz. 5c; 1b. 50c. Henderson's New York. Oz. 5c; 1b. 50c.

MELONS, MUSK.

Casaba, or Persian Muskmelon. Oz. 5c; 1b. 35c. Casaba, or Persian Muskmelon. Oz. 5c; 1b. 35c.
Banana. Oz. 5c; 1b. 35c.
Extra Early Citron. Oz. 5c; 1b. 35c.
Emeraid Gem. Oz. 5c; 1b. 35c.
Miller's Cream, or Osage. Oz. 5c; 1b. 35c.
Paul Rose Muskmelon. Oz, 8c; 1 1b., 60c. New; fine.
Rocky Ford Canteloupe Muskmelon. The same that

so many people enjoyed at the Omaha exposition. oz. 5c; 1 lb. 35c.

MELONS, WATER.

Phinney's Early. Oz. 5c; 1b. 80c, Landreth's Boss. Oz. 5c; 1b. 80c, Sweetheart. Oz. 5c; 1b. 80c,

ONIONS.

A leaflet on "Growing Onions to Bunch up" will be mailed on application.

Yellow Globe Danvers. Oz. 8c; tb. 75c; 5 lbs. \$3.25.
Large Red Wethersfield. Oz. 8c; tb. 75c; 5 lbs. \$3.25.
Prizetaker. Oz. 15c; lb. \$1.25.
White Victoria. Oz. 20c; lb. \$2.50.

American (Extra Early) Pearl. Oz. 25c; ½ lb. \$1.75; lb. \$3.25.

Extra Early Red. Oz. 8c; 1/2 1b. 80c; 1b. \$1.00.

Bermuda (true Teneriffe) Oz. 25c; 1b. \$2.00.

Giant Gibraltar Onion. Oz. 20c; 1b. \$2.50; new and fine; still larger than Prizetaker.

PARSNIP.

Improved Guernsey. Oz. 5c; 1b, 25c; 10 lbs. \$2.00. PARSLEY.

Fine Curled or Double. Oz. 5c; 1b. 35c.

PEAS.

Peas of all kinds are very scarce. If you think our prices high, look over your seed catalogs and see what some of the rest are charging for them.

Alaska. ½ pt. 7c; qt. 20c; pk. \$1.35; bu. \$5.00.
American Wonder, Qt. 25c; pk. \$1.60; bu. \$6.00.
Premium Gem. Qt., 25c; pk. \$1.60; bu. \$6.00.
Stratagem. ½ pt. 8c; qt. 20c; pk. \$1.25; bu. \$4.50.
Champion of England. Pt. 10c; qt. 20c; pk. \$1.25; bu. \$4.50.

Canadian Field. Pk. 40c; bu. \$1.25. Peas by mail will be at same rate as beans for postage

PEPPERS.

Sweet Spanish. ¼ oz. 5c; oz. 15c. Bullnose. ¼ oz. 5c; oz. 12c. Cayenne. ¼ oz. 5c; oz. 15c.

PUMPKIN

Barly Sugar. Oz. 5c; 1b. 35c. Specially for pies. Pield Pumpkin. Oz 5c. 1b. 15c

RADISHES.

Early Scarlet Globe. Oz. 5c; 1b. 40c. Wood's Early Frame. Oz. 5c; 1b. 40c. Beckert's Chartler. Oz. 5c; 1b. 40c. Chinese Rose Winter. Oz. 5c; 1b. 40c.

Myatt's Victoria. Oz. 10c; 1b. \$1.00.

SALSIFY, OR OYSTER PLANT. New Mammoth. Oz. 10c; 1b. \$1.00.

SPINACH.

Bloomsdale Extra Curled. Oz, 5c; 1b, 20c; 5 1bs, 75c. SQUASH.

Giant Summer Crookneck. Oz. 5c; 1b, 40c. Hubbard. Oz. 5c; 1b, 50c; 5 1bs, \$2.25; 10 1bs, \$4.00.

TOPIATO.

(io) den Queen. Pkt. 5c; oz. 15c; 1b. \$2.00.

Ignotum Tomato. ½ oz. 8c; oz. 15c; 1b. \$1.50.

Livingston's Beauty. Oz. 12c; 1b. \$1.75.

Earliest-in-the-world Tomato. ½ oz. 10c; ½ oz. 15c;

½ oz. 28c; oz. 50c.

Pordhook First. Oz. 20c; 1b. \$2.75.

Dwarf Champion. Oz. 10c; 1b. \$1.25.

Buckeye State. Oz. 15c; 1b. \$1.75.

Livingston's New Stone Tomato. Oz. 10c; 1b. \$1.25.

Trophy Tomato. Oz. 10c; 1b. \$1.00

Pear shaped Tomatoes. Oz. 20c; 1b. \$2.50

TURNIP

Yellow Aberdeen. Oz. 5c; 1b. 25c. White Egg. Oz. 5c; 1b. 80c. Breadstone. Oz. 5c; 1b. 80c. Purple-top White-globe. Oz. 5c; 1b. 30c; 5 lbs. \$1.25

Seed Potatoes.

Prices: ½ peck, 25 cts.; peck, 40 cts.: ½ bushel, 75 cts.; bushel, \$1.40; barrel (of 11 pecks, one kind, or made up of all kinds), \$3.50. We will ship them before Apr, 1 at the above figures; or we will keep them safely for you till May in our specially arranged potato-cellar. We can furnish, at the above prices, White Bliss Triumph, Early Ohio, Bovee, Sir Walter Raleigh, New Russet, and Craig. As our supply of many is limited, you had better order at once if you want them.

OTHER POTATOES IN SMALL QUANTITIES

OTHER POTATOES IN SMALL QUANTITIES.
We can furnish the following kinds in small quantities, say not to exceed a peck or half a bushel: Early Trumbull, New Queen, Lee's Favorite, Freeman, State of Maine, Maule's Commercial, Carman No. 3, White Mammoth, Early Michigan.

Any of the above potatoes will be furnished in very small quantities at 5 cts, per lb., or by mail at 15 cents per lb. or 3 lbs, for 40 cts. Potatoes for premiums can be sent by mail, but 10 cts, per lb. extra for postage and packing will be required.

POTATOES AND GARDEN SEEDS TO BE GIVEN AWAY.

Everybody who sends \$1.00 for GLEANINGS (asking for no other premium), may have 25 cents' worth of potatoes, seeds, etc., providing he mentions it at the tim-he sends in the money; and every subscriber who sends us \$1.00 for a new subscriber so that GLEANINGS may go into some neighborhood or family where it has not been before, may have 50 cents' worth of potatoes, seeds, etc.; but you must pay all postage, express, or freight on your premiums. We can give away potatoes, etc., but we can not give away postage stamps. stamps.

The Acme Hand Potato-planter.

While in the region of Grand Traverse Bay in 1900, I found the principal crop for miles around was potatoes, the soil and climate being especially adapted to this crop; and I was both surprised and pleased to find that the planting was done almost entirely by hand, with an implement invented and manufactured in that locality. A bright boy, I8 years old, with whom I became acquainted, informed me that he had with this machine planted two acres in one day himself. The ground is fitted in the usual way with ordinary farming-tools; but after that (see circular mailed for asking) both marking and planting are done by hano. The following, which I take from the manufacturer's circular, I think is a fair statement of the While in the region of Grand Traverse Bay in 1900,

is a fair statement of the merits of the machine. The cut adjoining explains the way in which the machine is made; but we can fur-



nish a larger cut with descriptive circulars, showing just how the planter is to be used, on application.

The Acme hand potato-planter makes the holes, and drops and covers at one operation. Once over the field does the work.

It makes planting easier. The erect position; the carrying of the seed on the shoulder; the ease with which it can

be changed from one shoulder to the other, makes this part of farm work much less disagreeable. "Almost as easy as walking."

Ten pounds of seed will plant thirty rods of row if five bushels of seed is used to the acre. This will average only five pounds if the seed is distributed at intervals of thirty rods.

five pounds if the seed is distributed at intervals of thirdy.

It plants better. It is very important in planting potatoes that they be placed in moist soil, and covered before the soil dries out. Ordinarily the holes are made, or furrows turned in. If a horse is used, and the soil exposed to the hot sun for the day, the soil soon dries out. Next the sets are dropped, and perhaps they are left to blister in the sun; they are then covered at unequal depths. The dry ground absorbs the moisture that may be left in the seed, and the result is—no crop.

With the Aeme hand planter the seed is planted at a uniform depth directly into the moist soil, where it can not dry out or blister, nor is the soil disturbed. The success of the planting is thus assured.

The implement is light, weighing but two and a half pounds, but strong and durable. We have a planter in our office that has planted for eleven seasons. It was then brought in for repairs.

We sold over 200 of these planters in 1901; and I am glad to t-11 our customers that, by having a very large lot of these planters made up during the dull season, we can, this year, make the low price of 60 cts. each; three or more, an even 50 cts. It can be sent by mail at an expense for postage of about 45 cts. A better way, however, is to have it go by express, or, better still, by freight with other goods.

Reports From a Few Purchasers.

The Acme potato-planter was a grand success with me, I planted on ground that was not furrowed, and it planted too deep; so I tied a one-inch block under the lever, and it was all right. I planted some on tough sod, and it did the work all right. I let one of my neighbors take it to use, and he said he would like to get one like it. I would not do without it for four times its cost.

Cascade, Iowa, Jan. 7.

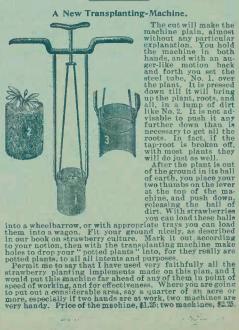
The new potato-planter is a success with me. I have only a large garden, and have the soil worked deep, and finely pulveyized, rolled level, and planted under a line. My plat is high and dry, and in so doing the moisture is retained by level working, not being ridged at all. I think some soils may not have enough sand, and the planter may not clean itself; but I find that, if we use reason, we can soon work the tool to perfection. I also use it to plant corn. I am well pleased with the planter.

S. S. FETHEROLF. Era, O., Jan. 8.

I got a hand potato-planter of you last summer, and it worked like a charm. I plowed in a heavy crop of grass and weeds so we had to have a chain to pull it in the furrow. Being so much plowed under it could not be furrowed out; but the planter put them in in good shape, although ours is clay land.

Divide, Oregon, Feb. 15.

A New Transplanting-Machine.



Honey Plants.

I have for years had dreams of a honey-farm, with acres of flowers of different colors, blooming at different seasons, and keeping the bees away from the stores and groceries when we have a dry spell in the fall. The dream has been partially realized with the Simpson honey-plant, Molly O. Large's spider plant, and the seven-top turnip, but I am pretty well satisfied it will not pay to cultivate these for honey alone. Mignonnette, catnip, motherwort, borage, melilot, and some others I have tested, but I am quite sure that none of them have ever paid, just for the honey.

We first give a list of the plants that not only yield honey, but are profitable crops for their other products. If the bee-keeper can not raise these himself, he can often induce farmers round about him to do the same by furnishing the seed free, or (where it is expensive) part of the price of the seed. As an illustration: We have for years been in the habit of furnishing buckwheat seed free of charge to any one who will sow it within a mile and a half of our apiary. Alsike, white Dutch clover, and Mammoth (or Peavine) and crimson clover, we furnish at half the usual price. Now, then, friends, which is the most important honey-bearing plant, generally speaking, in the world? I am inclined to think that basswood (or linden) bears the largest quantity of honey, although it is not generally considered quite equal to clover in flavor; for in the honey-markets it usually sells for one cent per pound less than clover. We, however, put basswood first and clover second.

One foot and under, each, - .05 .30 \$ 2 00
The above by mail, " - .08 .35 2 25
One to flye feet, " - .10 .75 5 00 Basswood-trees.

One to five feet,

"-.10 .75 500
These will be taken directly from our nursery, and if planted any time after the leaves have fallen, until the ground freezes, not one in one hundred should fail to grow. They can also be sent during the months of March. April, and May: and spring planting is preferable. For a description of the basswood, with engraving see A B C. Basswoods may be planted along the roadsides so as to answer for shade-trees, and at the same time furnish honey. The bee-keeper can also usually arrange so as to get them planted for shade along the streets of towns and cities. We can furnish the basswood-seeds if desired; but as they require special treatment I think our friends will be much better satisfied to buy little trees.

SEEDS OF HONEY PLANTS.

The prices given below are only for prompt orders, for the market fluctuates so, on clover seeds especially, that we can not promise these prices to con-

Basswood-seed. Oz. 5c; lb. 50c; by mail, 60c.

Alsike Clover. One ounce, by mail, 5 cts.; 1 lb., by mail, postpaid, 36 cts.; by express or freight, 1 lb., 20 cts.; one peck, \$2 75; ½ bushel, \$5.25; bushel

el. \$10.00

This furnishes not only the best honey of any plant in the world, letting the majority judge, but the quality of the plant for feed for cattle, whether hay or pasture, is probely better for milk-producing than any other forage-plant. It can be sown almost any time, but perhaps gives best results for seed, when sown in March or April. About 6 to 8 ibs. are required per acre, and it does not blossom much until the same as for common red clover, but the seed is saved from dangerous seeds.

Medium Clover. Bushel, \$7.00; ½ bush., \$3.75; peck, \$2.00; lb., l5c; lb. by mail 25c.

white Dutch Clover. Bushel, \$12.00; ½ bu., 6.25; pk. \$3.25; I lb., 25c; lb. by mail, 35c.
This differs but little from the ordinary white clover. It has an advantage over slatke, inasmuch as it will scatter itself without any cultivation, and it grows along the road-sides, pastures, and all waste places.

ganges, pastures, and all wasse pixels.

Feavine, or Manmoth Red Clover. Bushel, \$7.00; ½ bu., \$3.75; pk., \$2.00; per lb., l5c; by mail, 25c per lb.

This yields honey late in the season after all other clovers, and, in fact, after basswood; and in some localities it rarely falls to give more or lessof a crop, especially where Italian bees are kept. In other localities incre have been complaints made that the bees would not work on it.

Alfalfa, or Lucerne. Per bush., \$6.00; ½ bush., \$3.25; peck, \$1.75; pound, 15 ets. By mail, 25 ets.

\$3.25; peck, \$1.75; pound, 15 cts. By mail, 25 cts. This is the great honey-plant of Arizona, Idaho, California, and other Western States and Territories. Where it is raised by irrigation in felds of a thousand acres or more, there is an almost continuous honey-flow, from spring until winter. In fact, it produces each season the most beautiful honey, not only by the ton, but by the carload. In Sept. 1882, we received from W. K. Ball, Keno, Nevada, a carload of the finest comb honey made from alfalfa, ever put on this or any other market. Little patches have, at least partially, succeeded in the Eastern States. In dry scasons it will succeed, without a doubt; but much rain is detrimental. On our grounds it stands winter without injury, and we have found the roots at a depth of several feet. We furnish purchasers a little circular in regard to its cultivation.

Crimson or Scarlet Clover. Two-bushel sack, \$875; per bushel, \$4.50; half-bushel, \$2.40; peck, \$1.25; pound, 10 cts. If wanted by mail, add 10 cts. per lb. extra for postage and packing. We will send \$1 bs. by mail, postpaid, for 50 cts. From \$ to 15 lbs. of seed are needed per acre.

16 is a little singular that this plant, after having been in this list of seeds of honey-plants for upward of ten years, without eliciting very much extention, has, within a couple

of years past, not only come up into great prominence as a honey-plant, but it even bids fair to take the lead among the clovers of any in common use, simply from the fact that, when sown in the fall early enough to get well rooted, and yet not so early as to send up blossoms, it will stand average winters without injury, even as far north as Northern Ohio. It is equal to any clover for hay, and comes some earlier in the spring than any other. It is as valuable as red clover to plow under, and yet it may be sown among growing corn at the last cultivating, and be ready to plow under in time to put another corn crop on the same ground the very next year. It is cheaper than manure, on most farms; for a heavy growth plowed under has been called equivalent to ten tons per acre of the best stable manure. It also promises to be aboun to bee keepers.

also promises to be a boon to bee keepers.

Sweet Clover (Melilotus alba, or melilot; also called Bokhara). 103 lbs, 10 cts. per lb; 10 lbs. or more, 12c per lb.; 1 lb., 15c; 1 lb. by mail, 25c.

Sweet clover, hulls off 55 per lb. additional. As there are a good many more seeds in a pound of this latter, it may be as cheap, even at this advance price.

This has some valuable traits, as standing frost and drouth, and in some localities it is the main honey-plant. About four pounds of the hulled seed, or eight or ten lbs. with hulls on, are needed for an acre. It will grow on almost any barren hillside, but it is never a bad weed to exterminate. If it is mown down to prevent seeding, the roots will soon die out. Sow in spring or fall. In the vicinity of Salt Lake, Utah, sweet dover is the main honey-plant, and the quality of the The plant lives through the order on application.

Buckwheat, Japanese. Trial packet, 4 ounces,

by mail, postpaid, 5c.; 1 ib. by mail, postpaid, 15c; peck, 35c; ½ bush., 60c; bush., \$1.10; 2 bush., \$2.00. These prices include bag to ship it in. Ten or more bushels, purchaser paying for bags, 85c.

Or more bushels, purchaser paying for bags, 85c.

We should place buckwheat at the head of the list were it not for the fact that it often fails, almost, if not quite, to yield honey; and the quality of the honey is always second class and the coloris dark. At the present time the Japanese has of far outstripped all other varieties that we have a so far outstripped all other varieties that we have the property of the second paying the past season the yield has been a great as to put buckwheat flour as well as grain at a lower price than it has been known before for years. We have an Spage pamphiet, being a collection of articles from different localities, telling just how to raise buckwheat. Mailed for 5 c. or given free to all purchasers of our seed. Please notice that buckwheat can not very well be sent alons by ITSELF, either by mail, freight, or express, without the expense of shipment being more than the value. If you want a peck, or half a bushel, it should be ordered by freight with other goods.

Dwarf Essex Hape. 1 lb., mail, postpaid. 20c:

in the way of charges.

Dwarf Essex Rape. 1 lb., mall, postpaid, 20c; freight or express, 50 lbs., 7c per lb.: 100 lbs., \$6.00. This plant has been rapidly coming to the front in the last few years as a foregrep plant, especially to desire the front in the last few years as a foregrep plant, especially to desire the front in the last few years as a foregrep lant, especially to desire the first coming of action of the first station it gave from 8 cm specially one stock must be saught to cat it. It is a splendid thing plants, to a first state and the first cutting or eating off it will start again; and it is so hardy that it will grow until the ground is frozen several times giving feed even as late as the middle of December, in our locality. It possesses remarkable fattening qualities. An acre of it will feed over 30 sheep for a month. Directions for raising will be mailed free on application. This rape is not a honey-plant, unless allowed to winter over and go to seed. It has wintered over perfectly, and produced quite a crop of honey, as far north as Michigan. See leaflet, mailed on application.

Cow Peas. We have only the Wonderful and Early Blackeye. Price of Wonderful, 1 qt., 12c; by mail, 15c more; peck, 75c; ½ bush., \$1.35; bushel, \$2.50. Extra-early Blackeye, ½ more than above prices.

This latter will ripen seed almost anywhere in the North, but it does not produce anywhere near as large an amount of feed, either for stock or to turn under. Both kinds will, however, produce sufficient bloom to furnish considerable quantities of honey in favorable localities. Leaflet mailed on application.

Seven-top Turnip. Oz. 5c; lb. 20c; 10 lbs. \$1.50. If wanted by mail, 10c per lb. extra.
This plant, although not equal to the Spider plant and the Simpson honey plant, is entitled to a place next to them, because it bears its crop of honey in the spring between fruit blossoms and clover. It should be sown ir Aug. and Sept. It bears no root like the ordinary turnip, but only foliage that is used for greens. Excellent for plowing under.

that is used for greens. Excellent for plowing under.

Sunflower, Mammoth Russian. Oz. 5c; lb.
by mail, 15c; 10 lbs. or over, by freight or express. 5c per lb.; 100 lbs., 4c per lb.
This plant is visited by the bees in great numbers in some localities, while in others it is scarcely noticed; but, as the seeds usually pay all expenses of cultivation, it holds its place as a honey-plant. The mammoth Russian bears by far the largest blossoms, as well as the largest seeds.

Soja Bean. Price, qt., 10c; pk., 60c; bush., \$2.00.
About I bushel (60 lbs.) is needed per acre. For description see leaflet, mailed on application.

see leaflet, malled on application.

American Coffee-berry. Package, 5c.

This is probably a variety of the soja beans. At first we were inclined to think from the appearance that it was the same; but on making it into coffee we had to admit that the coffee-berry is something different, and much more like genuine coffee. If I were going to use coffee at all I should prefer this to the real thing-principally, however, because it is nourishing instead of being stimulating. Besides, the coffee-berry matures very much earlier than the soja bean. In order that you may all try the coffee for yourselves we offer it at the following low prices:

print, 7c; pint, 10c; quart, 15c; peck, 7sc; bushel, 8:50. If wanted by mail, add 15c per quart extra for postage and packing.

The above are the only plants I know of that can be profitably grown by the bee-keeper; that is, the honey they yield would probably pay, in connection with the profit on the plant for other purposes.

Plants for Honey Only.

The following plants yield honey, and many of them in considerable quantities; but they are so little used for other purposes that there is little inducement to raise them by the acre; and let us bear in mind that it must take acres of any plant to yield honey enough to amount to any thing.

Oz. 10c; lb. \$1.40; if wanted by mail, add

10c per lb. extra.

10c per lb. extra.

A strong, hardy, rapidly growing plant, bearing a profusion of blue flowers. It may be sown any time, but will, perhaps, succeed best, at about corn-planting time. As it grows tall, and branches out considerably, it should have plenty of room. I know that bees are very busy on it, all the day long, from July until Nov., but I do not know how much honey an acre of it would furnish. It is easily tried, because it grows or radily, and if sown on the ground after early potatoes are dug, you will get a nice crop of fall bloom. Sow broadcast, or in hills like corn. Borage is also used as a salad, or cooked as spinach.

Catnip. Oz. 10c; lb. \$1. If wanted by mail, add 10c

per lb. extra.

This has been very much talked about, and we have record of some experiments with an acre or more; but, if I am correct, only a few have ever yet seen a barrel of oatnip honey. Sow in the fall.

Dandelions. Package 5c; oz. 50c.

I presume everybody can get dandelion seeds and roots without buying them, but for all that, I have much faith in an acre of cultivated dandelions. French thick-leaved is superior for "greens," and by the way our bees take to our "patch" of it, I think it must be superior for honey.

Motherwort. Prices same as for catnip.

Figwort. Prices same as for catnip.

Figwort, or Simpson Honey-plant. Oz. 20c;

lb. \$2. By mail, lot per lb. extra, for postage.

This is a queer tall weed that grows in fields and woods and bears little cups full of honey. It bears honey all the day long from July to October. Very hardy; blooms first year, and after that shoots up from the root every year, but needs planting anew about every three years. The seed sometimes planting anew about every three years. The seed sometimes set the continuous of damping the perminantly. It is not to box, and rolled hard, being kept dark and damp in a warm place, they will sprout in a week or two. Then give all the light and air possible, but not too much water.

Mignonnette. Oz. 10c; lb. \$1; by mail, add 10c

per lb.

This is a great favorite with the bees, and also with those who are raising plants for their bees; but although we have sold considerable of the seed for bee pasturage, I am not sure that any one has ever made it pay in dollars and cents, for the honey alone.

Mustard. Common (either brown or black). O. 5c; ib. 15c; 10 lbs. \$1.00. Add 10c per lb., by mail The honey from this is said to be very light, equal to an favor, and to command the highest price in the market.

Spider Plant. (Cleome pungens.) Package 5c: 0z. 20c; lb. \$2. Postage 10c per lb. extra.
This plant under favorable circumstances, yields more honey than any thing that ever before came under my observation. In Oct. 1879, each flowert yielded drops so large that a bee had to make two or more journeys to get it all, and I succeeded in dipping the honey from the plant with a spoon, until I half filled a bottle with it, for experiment. As it yields

only this honey early in the morning, and late in the evening, it will go nicely with the Simpson honey-plant. I should think it quite probable that 5 acres of each of these plants would keep 100 colonies busy enough to be out of mischief during a dry fall, when bees are so apt to be robbing. For particulars concerning both plants, see A B C of Bee Culture. The Spider plant is an annual, and should be sown every year. It grows almost too fast with hotbed treatment, but ill blossom in August it sown in the open ground in May.

will blossom in August if sown in the open ground in May.

Portulaca. 5c per package.

Best mixed. A bed of portulaca, say a rod square, will show more bees in the working season, for the area, than any other plant I know of; furthermore, a bed of mixed portulacas, equivalent to a square rod, makes one of the handsomest if not the handsomest of sights, when in full bloom, the whole floral kingdom affords. It does not seem to me that any bee-keeper ought to be without a bed; and I might also say, no lover of flowers can well afford to forego the gorgeous spectacle of a bed of mixed portulacas, especially when the seed is only 6 cents a paper. One paper will cover a square rod of ground nicely. You can have the square rod laid out in artistic beds and walks, if you choose.

Rocky Mountain Bee-plant Cleome integrifo-lia). Oz. 15c; lb. \$1.25, postage 10c extra.

This is closely connected with the noted Spider plant (C, pungens), these two being the only species of the Cleome.

With us, it is much inferior to the Spider plant as a honey-producer. We have reports from some localities of its yield-ing large quantities of honey, hence quite a demand for the seed is the result.

Sage, White (Salvia argentea). Oz. 35c; lb. \$4. Is called the honey-plant of California, and belongs to the Libitate or Mintfamily, the same as Rosemary, Balm, Hoarhound etc.

Corulea, Bee Clover. Oz. 10c; lb. 75c; by mail, add 10c. for bag and postage.

This latter blossoms in about six weeks after sowing, and bears a small blue flower.

Chapman Honey-plant. Packet 5c; oz. 20c.
The large globular bloseoms exude pure honey, and if inclosed in a paper bag so the bees are kept away the blossoms will become quite sticky with the honey.

Any of the above seeds will be sent in 5c packages. to those who would like just a few to try.

Sweet Peas. While these may not be a honey-plant, bees sometimes work on them quite freely; and it is hard to im agine a prettier sight near your mignonette-bed than a collection of sweet peas on a trellis of poultry-netting, with the bees busy on the blossoms.

We can furnish a choice mixture of the best kinds at 5c per ounce: 10c per 1/2 lb.; 35c per 1b. If ordered by mail, add 9c per lb. for postage.

Thermometers and Barometers for Greenhouse Men, Gardeners, Farmers, Dairymen, Poultry-keepers, etc.

We can furnish a very pretty and accurate thermometer for all general purposes, plain scale, easy to read, for only 15 cts.; by mail, 20 cts. A very reliable dairy thermometer, all glass, so that it can be immersed in any liquid without rusting. Price 15 cts.; by mail, 20 cts. Also a very substantial incubator thermometer. This has a scale that runs only from 60 to 120. Lithic way we get a long scale with the marks. mail, 20 cts. Also a very substantial incubator thermometer. This has a scale that runs only from 60 to 120. In this way we get a long scale with the marks so far apart it is an easy matter to get down to a very accurate temperature; or in other words you can get the temperature to a very exact point if you wish. These are made specially for poultry-men, are very accurate and easy to read. If I am correct, it is about the best thing for the purpose. Price 25 cts.; by mail, 35 cts.

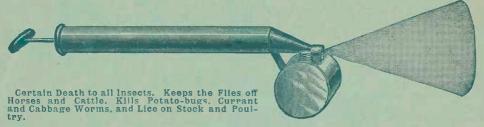
Barometers for Foretelling the Weather.

I have said several times before that our barometer frequently saves the expense of it in a single day. In fact, I consult it almost as often as I do my watch, and plan my work accordingly, and very seldom make a mistake. It is especially valuable to the gardener in warning him against heavy blows of wind. When he goes to bed at night, if there is likely to be a blow before morning it may save him a good many dollars goes to bed at hight, it there is likely to be a blow before morning it may save him a good many dollars by having his sashes, greenhouses, and other fixtures prepared accordingly. We can furnish a very pretty good-sized aneroid barometer for \$3.50. Although they can be sent by mail, we recommend by express only, as they are liable to injury from throwing the mail-bags. Postage, 20c extra.

Putty-bulb and Insect-powder Gun.

For seiting glass for greenhouses, for repairing sash, etc. This is a rubber bulb, with nozzle, for running liquid putty along where the glass lies in the sash. No person who has half a dezen sash should be without one. Full instructions for preparing the putty, with each. With a little different paring the putty, with each. With a little different arrangement the above makes the nic st kird of powder-gun for using a small quantity of pyrethrum, or insect powder. In ordering, please state which purpose you wish it for. Price 20e; post. 5c.

THE FAULTLESS SPRAYER.



Few little inventions make the stir and do the amount of good that the little tin spray-pumps did that were introduced in 1898. Although we have a machine for spraying potatoes, that cost \$25.00, we let it stand in the tool-house, and spray a great many acres of potatoes with the little spray-pump, like the one pictured here. It does the work easier and cheaper and better. A boy with some packages of Paris green (a large spoonful in each paper) in his pocket, and in his hand a spray-pump weighing only a pound will do the whole job in a very little time; in fact one boy takes his hoe along and does the hoeing and spraying both, without any machine to lug back and forth, nor any chance of said machine getting out of order. As soon as we began to offer them for sale others seemed to discover their advantages; and although we ordered pumps from the factory at several different times, we were sold out in spite of us when we wanted them most. We sold over 1700 during 1899, and a still large number in 1900.

We now have a large stock of the latest improved ones, and the price is even lower. These pumps are so perfect that the spray looks like steam out of the nose of a teakettle; in fact, you can fill the air in a room with vapor with one of these machines. The price of the new improved machines is 35 cts., or three for \$1.00; the same with galvanized iron tank, 50 cts. You can have the same thing made all of brass for only 25 cts, more. Either kind can be mailed for 25 cts, additional. Now do not say you can not afford a sorsyer to keep the potato-bugs out of sight, for the great advantage of this little apparatus is that it is so little work to use it you can kill the burs when they first start, and keep them down before your potatoes are injured at all. Thousands of people lose their potatoes every season just because it is too much work to fight the burs.

work to fight the bugs.

With every machine is a stout linen tag, with full directions how to use the sprayer for all kinds of insects. Yes, this machine will answer for fruit-trees all right, but you would have to get up on a high stool, or climb a ladder, to get the spray all over a tree of any size. For spraying orchards a larger and more expensive machine is needed. For keeping files off horses and cattle use pure kerosene in the above sprayer.

ANOTHER USE FOR THE FAULTLESS SPRAY-PUMPS.

The following was clipped from Gleanings:

The following was clipped from Gleanings:

You ask for information regarding the use of kerosene spray on cattle, to keep off flies Last year, seeing on sale at one of our stores the Acme sprayer (similar to the Faultless), and thinking it would be handy for me to spray my hand-fertilized potatoes, I bought one and found it very convenient for that purpose. By keeping it loaded I could go over my few short rows every morning to make sure the bugs would not destroy the buds or blossoms before the seed-balls were set. Of course, for this I used Paris green. I also used the sprayer with clear kerosene oil for spraying cabbage, with good results. One day, noticing that the flies were tormenting my calves. I thought to try the kerosene spray on them. I found it worked charmingly, as no flies would remain on the calves to annoy them, after which we sprayed them every morning.

The men, noticing the good effect of the spray on the calves, tried it on the cows just before milking, with equally good results. I found it would last all day on the calves if one-fourth sweet or lard oil was added to the kerosene. I am using the sprayer with all the street was sent as the sum of the sprayer with all the street of the sprayer with all the street of the serosene of the sero

added to the kerosene. I am using the sprayer with clear kerosene on my orchard, to kill the oyster-shell burk-lice that are now hatching. This year I shall buy a sprayer for each kind of mixture, to avoid the trouble of so many changes. They are so cheap one can afford to have all he wants.

Bristol, Vt., Apr. 5, 1900.

Insecticides.

Paris Green.

Paris green is such unpleasant stuff to handle Paris green is such unipleasant sum to handle that we prefer to sell it only in original packages. These are put up securely, and may be shipped without injury, as follows: 4-oz. packages, 7 cts. each; 4-lb. packages 12 cts. each; 1-lb. tin cans, 22 cts.; cans holding either 2 or 5 lbs., 20 cts. per lb.; 14 lbs. at 19 cts.; 28 lbs., 18½ cts.; 56 lbs., 17½ cts., and 100 lbs. at 17 cts. per lb.

Tobacco-Dust.

This is sprinkled over the foliage, and on the ground around lettuce in the greenhouse or on melon or other vines just as they are coming up, and is one of the best and cheapest insecticides known one lb., by mail, 20c; 5 lbs., by express or freight, acper lb; 10 lbs., 2½c per lb; 25 lbs., 20 per lb.; 100 bs., \$1.50.

Pyrethrum Cinerariæfolium.

(Persian Insect-Powder.)

This is not only a pretty plant for the flower garden, but the flowers, gathered and dried when in full bloom, and then finely powdered, furnish us the Persian insect-powder, of which so much has been said. With us it has been the surest thing to kill all sorts of small insects (laying them out dead in even a few minutes), of any thing we have ever got hold of. It will also kill the green fly in greenhouses. When used in the insect-powder bellows, described below, but very little of the powder is required.

With the powder-gun (see "putty-bulb" on page 3), you can kill every fly in any room of the house, within an hour. Of course, the doors and windows of the room should all be closed. In painting new houses in the summer time, when

windows of the room should all be closed. In painting new houses in the summer time, when flies are troublesome, the instrument is worth more than it costs, for this alone. It is not at all poisonous or injurious to human beings.

Price of the powder, all ready for use, one ounce, 5 cts.; ½ lb., 10 cts.; 1 lb., 35 cts.; 10 lbs., \$3.00. Price of the seeds, one packet, 5 cts.; one ounce, \$1.00.; 1 lb., \$10.00. By mail, 18e per lb. extra on powder, and 9c on the seeds.

Cold-Frame or Hot-Bed Sash.



The sash are of the regular size, 3 ft. 4 inches by 6 ft., for four rows of glass 8 inches wide. If any prefer larger glass we will furnish sash for 3 rows of II-inch glass at the same price.

These sash are usually shipped from here knocked down at a low rate of freight, and they can be put together by anybody. If done securely they are just as strong as the regular sash. They are I% in. thick, outside bars about 3 inches wide, and inside ones about 1½. The bars are grooved to slip the glass in place. If a light of glass is broken, move

them up close and slide another in from the bottom

them up close and slide another in from the bottom end.

Price of one sash, in the flat, for sample, without glass, 70 cts.; 5 in the flat, 65 cts. each; 10 in the flat, 60 cts. each. Glass, 8x10, just right for the above, \$3.60 per box of 90 lights.

Sash put up, no glass or paint, 10 cts. each extra; 10 cts. each extra for each coat of paint, and \$1.15 each extra for glass set in place, making the sash put up, painted two coats, and filled with glass, at \$2.10 each in lots of 5. The risk and freight charges are so much more shipped put up with glass that we do not recommend you to order this way, and we can not well pack less than 5 safely.

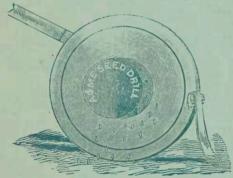
We would not advise shipping a less number than

Not well pack less than beately.

We would not advise shipping a less number than five; but if you take our advice you will have all your glass sash shipped in the flat. In this case they go as fourth-class freight; whereas, all complete they will have to go as first-class, and some roads rate them as double first-class.

A Hand Seed-Drill for only 50 cents.

In 1899 we introduced and sold a large number of these machines, and I never heard a complaint that I know of. This year they have made a very much better machine, and by taking a very large lot, and



having them made up during the dull season, we have been enabled to furnish not only an improved machine, but at a lower price than we did last season. These drills are not only just what you want in making garden, but they are just the thing to put in the seeds quickly, and accurately spaced, in hot-beds, cold-frames, etc. Price 50 cts. If wanted by mail, add 20 cts. each for postage.

Boxes for Starting Squashes, Melons, Cucumbers, etc.



During my visit to Arlington, in July, 1886, I no-ticed that the squash-growers had a plan for getting Boston marrow squashes on the market very early. It is by means of the boxes shown in the adjoining cut. These, as you notice, are made so as to nest one in the other, occupying but little room

when stored away, or drawn out on the wagon. An 8x10 glass slides in the top. These boxes can be used for putting over hills of early potatoes in March and April; and when the potatoes are out of danger the boxes will do good service in forwarding squashes, boxes will do good sérvice in forwarding squashes, melons, and cucumbers. After all danger of frost is past, the glass may be drawn out, but the box is left on, as a protection against bugs. If the bugs are very bad, however, you will have to tack on cheese-cloth. The striped bug will crawl through mosquito bar. As the glass is to move loosely, it is not a very long job to slide them all back when the weather is mild, and close them up again at night, when frost comes. If the earth is banked around the lower edges, it makes quite a miniature cold-frame. I was astonished while at Arlington to see squash-vines 'tully a month ahead of the usual time; but I was told these boxes were the explanation of squash-vines tilly a month anead of the usual time; but I was told these boxes were the explanation of it. Don't fail to have a big lot of good manure under each box (see our little book, "Gregory on Squashes"). Prices of these little boxes without glass, in the flat, 15 cts. each; \$1.25 for 10, \$10.00 per 100. Glass to match, \$3.25 per box of 50 square feet. There are about 90 lights in a box.

NEST-EGGS, polished wood, each 1c; doz. 10c; 100, 75c. Postage le each.

Books on Gardening, Farming, etc.

Figures on the left hand indicate amount of postage to be added when books are to be sent by mail.

I have indicated my opinion of the books by characters as follows: Books that I approve I have marked with a *; those I especially approve, **.

This is T. B. Terry's first and most masterly work. The book has had an neormous sale, and has been teprinted in foreign languages. When we are thoroughly conversant with friend Terry's system of raising potatoes, we shall be ready to han-tie almost any farm eron successfully. It has 280 nages and 48 tillustrations. New edition revised and greatly enlarged, 1902. Cloth-bound, 88c; by mail, 75c.

101 Farming for Boys*. 1 15
This is one of Joseph Harris' happiest productions, and it seems to me that it ought to make farm-life fascinating to any boy who has any sort of taste for gardening.

This is by Francis Brill, the veteran seed-grower, and is the only book on gardening that I am aware of that tells how market gardeners and seed-growers raise and harvest their own seeds. It has 166 pages.

dealers, and even takes in cold storage. (Publishers' price \$1.00.)

12 | Gardening For Pleasure, Henderson* 10 |
While "Gardening for Profit" is written with a view of making gardening Fav. It touches a good deal on the pleasure part, and "Gardening for Pleasure" takes up this matter of beautiful the price of the control of the storage of the stora

3 | Grasses and Clovers, with Notes on Forage

10 Greenhouse Construction, by Prof. Taft** 1 15
This book is of recent publication, and is as full and complete in regard to the butlinns of all glass structures as is the next book in regard to their management. Any one who builds even a small structure for plant-growing under glass will save the value of the book by reading it carefully.

of ourness.

10 | Grape Culturist, Fuller's** | 15
This is, perhaps, the most systematic, comprehensive, and thorough work on grape culture now in print In fact, friend Fuller here tells us how, by easy steps, to make any grapevine come into the work, and make a pleasant, orderly appearance, and he makes it as attractive as a piece of fittion; and the best part of it is, you get great crops of beautiful grapes during almost any kind of season. We have tested the system, and know whereof we speak.

How to Propagate and Grow Fruit, Green*

I flow to rropagate and Grow Fruit, Green 18 16 Home Pork-making: 125 pages, fully illustrated 40 I think it will pay well for everybody who keeps apig to have this book. It tells all about the care of the pig, with lots of pictures describing cheap pens, appliances, all about butchering, the latest and most approved short cuts; all about making the pickle, barreling the meat, fixing a smoke-house (from the cheapest barrel up to the most approved arrangement); all about pig-troughs; how to keep them clean with little labor; recipes for cooking pork in every imaginable way, etc. Publisher's price is 50 cents, ours as above.

to | Ifrigation for the Farm, Garden, and Or-chard, Stewart*. 85 This book, so far as I am informed, is almost the only work on this matter that is attracting so much interest, especially recently. Using water from springs, brooks, or windmills, to take the place of rain, during our great droughts, is the great problem before us at the present date. The book has 214 pages and 142 cuts.

5 | Manures; How to Make and How to Use them; in paper covers....

6 | The same in cloth covers. 66
Covering the whole matter, and discussing every thing to be found on the farm, refuse from factories, mineral fertilizers from mines, etc. It is a complete summing-up of the whole matter. It is written by F. W. Sempers.

3 | Onions for Profit ** 3 | Onions for Profit**. Fully up to the times, and includes both the old onion culture and the new method. The book is fully illustrated, and written with all the enthusiasm and interest that characterize its author, T. Greiner. Even if one is not particularly interested in the business, almost any person who picks up Greiner's books will like to read them through.

Peabody's Webster's Dictionary......

| Poultry for Pleasure and Profit** 10 | Practical Floriculture, Henderson* 1 10 | Profits in Poultry* 75 Edition of 1909. Clear up to the times. One of the best poul-try books for the money.

1 | Silk and the Silkworm.... 10 | Small-Fruit Culturist, Fuller.....

The New Rhubarb Culture**.

10 | The New Agriculture; or, the Waters Led Captive (a \$1.50 book) 40 This book created quite a sensation at one time; and while the author's bright visions have not all been realized, I think the book contains much that is good.

2 | Treatise on the Horse and his Diseases.... 5

3 | Vegetables under Glass, by H. A. Dreer**.. 20
This is a new book by a veteran in the work, full of illustrations from real life, and by all odds the most valuable book
we have ever had for such a small price.